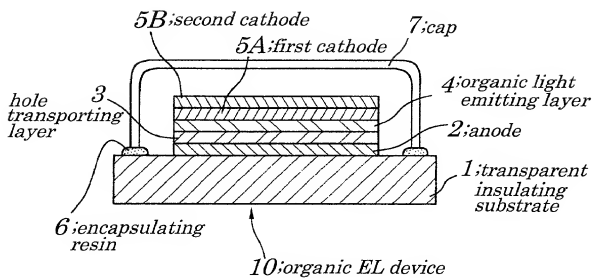
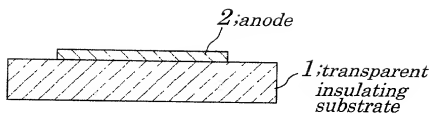


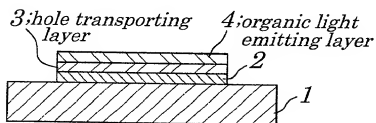
**FIG. 1**



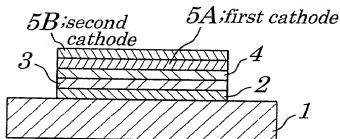
**FIG.2A**



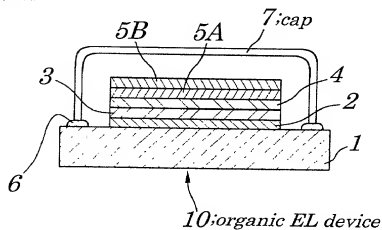
**FIG.2B**



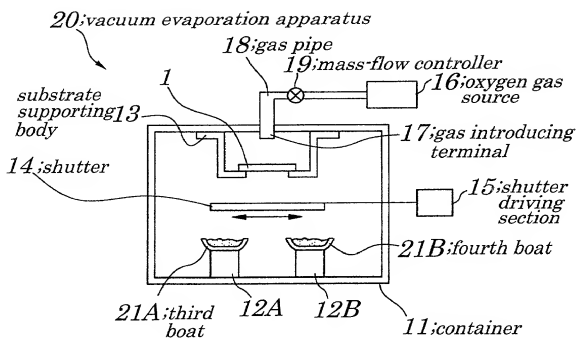
**FIG.2C**



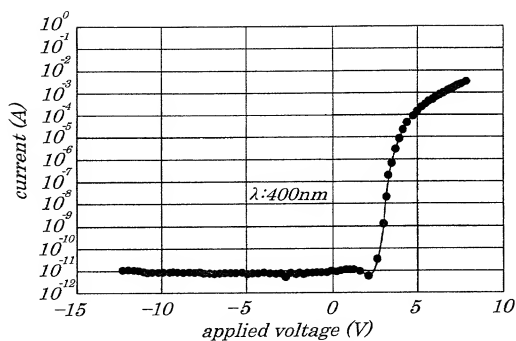
**FIG.2D**



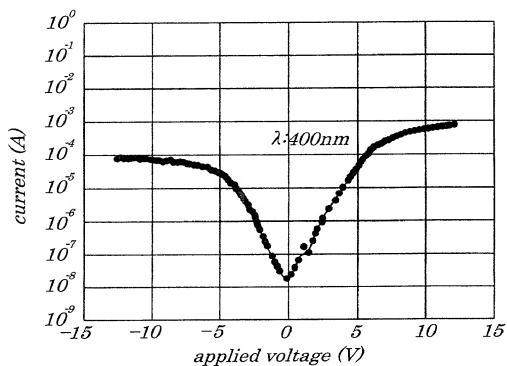
**FIG. 3**



**FIG. 4**



**FIG. 5**



**FIG.6**

No.	partial pressure of oxygen (Pa)	rectification ratio (at time of application of voltage of 8V)
1	$2 \times 10^{-4}$	$3 \times 10^8$
2	$2 \times 10^{-3}$	$2 \times 10^8$
3	$5 \times 10^{-2}$	$1 \times 10^8$
4	$1 \times 10^{-1}$	$2.8 \times 10^8$

**FIG.7**

No.	partial pressure of oxygen (Pa)	rectification ratio (at time of application of voltage of 8V)
1	$1 \times 10^{-4}$	$3 \times 10^4$
2	$2 \times 10^{-5}$	$2 \times 10^4$

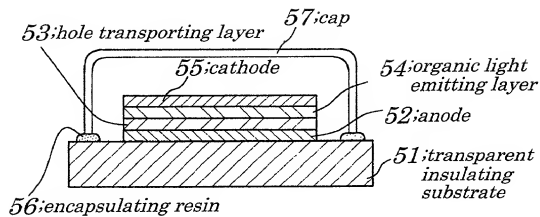
**FIG.8**

No.	film thickness of first cathode (nm)	rectification ratio (at time of application of voltage of 8V)
1	20	$3.9 \times 10^8$
2	40	$1.2 \times 10^8$
3	70	$1.6 \times 10^8$
4	100	$2.7 \times 10^8$

**FIG.9**

No.	film thickness of first cathode (nm)	rectification ratio (at time of application of voltage of 8V)
1	10	$1.0 \times 10^5$
2	200	$6.9 \times 10^3$
3	300	$4.2 \times 10^2$
4	500	$5.2 \times 10^2$

**FIG. 10 (PRIOR ART)**



**FIG. 11 (PRIOR ART)**

